NOVA SCOTIA AGRICULTURAL COLLEGE

REPORT OF THE PRINCIPAL

1988-1989

TRURO, N.S.

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NOVA SCOTIA AGRICULTURAL COLLEGE

OVERVIEW

Student enrolment remained stable in 1988-89 and estimates for 1989-90 indicate similar enrolment numbers. Enrolments increased in the diploma programs largely as a result of increasing the intake of students in Landscape Horticulture from ten to twenty and the introduction of the new Animal Health Technology (AHT) program. An Advisory Committee was formed to assist the College in refining the content of its AHT program which accepted its first students in September of 1988. The program is designed to provide training for employment as either an assistant to a veterinarian in private practice or in regulatory work or as an animal care assistant in research or similar activities involving the use of laboratory animal species. The Advisory Committee represented these end user groups. The new AHT program will take advantage of many of the resources on campus and especially those in the Animal Science Department. A major new resource of special relevance to this program is the new Laboratory Animal Centre, the Boulden Building which is currently under renovation. This facility will also be used extensively by faculty for research involving laboratory animal species.

Our involvement in international development programs continues. The International Potato Production Technology Course continues to operate successfully. Development projects are on-going with the College of Agriculture in Jamaica, the School of Agriculture at Francisco de Paula Santander in Columbia, the Gambia College of Agriculture and Hunan Agricultural College in China.

Research activity continues to expand and funding from all sources is now in excess of $1.5M.

This is the last report I will write as Principal since I take retirement on September 30th, 1989. It has been my good fortune to have served here through very exciting times and I am grateful for that. I thank generations of students who rejuvenate this institution each year and who insist on keeping us young; dedicated and supportive teaching staff; my close administrative colleagues for their incredible capabilities and dedication; my colleagues in the Department of Agriculture and Marketing for their support; our maintenance and support staff who, in my opinion, are second to none and to our office staff who have an infectious way of making this institution a very pleasant place to work.

The appointment of Dr. Leslie E. Haley as Principal, effective October 1, 1989, was received with great enthusiasm and we warmly welcome him to N.S.A.C.

H. F. MacRae
Principal

REGISTRATION

1988-1989

1st Year B.Sc.(Agr.)	77	
2nd Year B.Sc.(Agr.)	73	
3rd Year B.Sc.(Agr.)	67	
4th Year B.Sc.(Agr.)	65	
Sub-Total B.Sc.(Agr.)		282
1st Year Engineering	10	
2nd Year Engineering	4	
Sub-Total Engineering		14
1st Year Technicians	51	
2nd Year Technicians	58	
Sub-Total Technicians		109
1st Year Technology	44	
2nd Year Technology	28	
Sub-Total Technology		72
Special Students*		60
Total Full Time Students		537

*Students not in a regular program leading to a degree or diploma.

FACULTY OF INSTRUCTION

COLLEGE YEAR 1988-89

Principal

H. F. MacRae, B.Sc.(Agr.) McGill, M.Sc. (McGill), Ph.D. (McGill), D.Sc.(Hon.)(McGill)

Principal Emeritus

Kenneth Cox, B.S.A. (Toronto), M.S.A. (McGill), L.L.D. (McGill)

Vice-Principal

I. M. Fraser, B.Sc. (Dalhousie), M.A. (Maine)

Dean, Vocational and Technical Education

A.D. Ells, B.Sc.(Agr.) (McGill), M.A. (Acadia)

Registrar

V. L. Saxon, B.Sc.(Dalhousie), B.Ed.(Acadia), B.Eng.(Nova Scotia Technical College),M.B.A.(Dalhousie),

Librarian

B.S. Sodhi, B.A. (Punjab), M.A. (Punjab), Dip. L. Sc. (Punjab)

Dean of Students - Chaplain

Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill)

Deans of Residence

J. M. Smith, B.P. Ed. (Dalhousie)
K. Greenwood
J. M. Bowker, B.A.(Bates), Ph.D.(Texas A & M)

Director of Athletics

K. S. Marchant, B.P. Ed. (New Brunswick), M.S. (Springfield)

Placement Officer

B. M. Crouse, B.Sc.(Agr.)(Guelph)

Farm Manager

E. G. Maynard, B.S.A. (Toronto), B.Ed. (Mt. Allison), M.S.A.(Guelph)

Agricultural Engineering

James Adams, B.Sc. (Strathclyde), M.Sc. (Reading) - Associate Professor
J. F. Adsett, B.Sc.(Agr.)(McGill), M.Sc.E.(U.N.B.) - Assistant Professor
D.A. Allen, B.Sc. (Eng.) (Guelph), M.Sc. (Agr. Eng.) (Purdue) - Associate Professor
J.D. Cunningham, B.S.A. (Toronto), B.E. (Nova Scotia Technical College), M.A.Sc. (Technical University of Nova Scotia) - Associate Professor
F.L. Desir, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Assistant Professor
P.L. Havard, B.Sc. (Agr. Eng.) (McGill), M.Sc. (McGill) - Associate Professor
S.A. Madani, B.Sc. (Bahlavi), M.Sc. (British Columbia), Ph.D. (Washington) - Assistant Professor
M.N. Rifai, M.Sc. (Nitra), Ph.D (Nitra) - Associate Professor

Animal Science

L.M. Cock, B.Sc. (Agr.) (McGill), M.S. (Wisconsin), Ph.D. (Maine) - Professor and Head
P.Y. Hamilton, B.Sc. (Agr.) (McGill), M.Sc. (Maine) - Professor Emeritus
D.M. Anderson, B.S.A. (Manitoba), M.Sc. (Manitoba), Ph.D. (Saskatchewan) - Associate Professor
M.L. Connor, B.Sc. (Agr.) (Guelph), M.Sc. (Manitoba), Ph.D. (Manitoba) - Associate Professor
D.C. Crober, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D. (British Columbia) - Professor
N. L. Firth, B.Sc. (Edinburgh), M.S. (Purdue), Ph.D. (Cornell) - Assistant Professor
A.H. Fredeen, B.S.A. (Saskatchewan), M.Sc. (Guelph), Ph.D. (California) - Assistant Professor
A. Lirette, B.Sc.,S.(Medicine)(Laval), B.Sc.A.(Laval), M.Sc.(Laval), Ph.D. (Alberta) - Assistant Professor
W.G. Mathewson, B.Sc. (Agr.) (Aberdeen), D.T.A. (Trinidad), M.Sc. (Aberdeen) - Associate Professor
E. G. Maynard, B.S.A.(Toronto), B.Ed.(Mt. Allison), M.S.A.(Guelph) - Farm Manager
D.L. Patterson, B.Sc. (Alberta), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor
T. Tennessen, B.A. (Alberta), B.Sc. (Alberta), M.Sc. (Alberta), Ph.D. (Alberta) - Assistant Professor

Biology

L.A. McFadden, B.Sc. (Agr.) (McGill), M.Sc. (Cornell), Ph.D. (Cornell) - Professor and Head
A.E. Roland, B.A. (Acadia), M.A. (Toronto), Ph.D.(Wisconsin),D.Sc.(Acadia), D.Sc.(Dalhousie), F.A.I.C. - Professor Emeritus
M.E. Neary, B.Sc. (Agr.) (McGill) - Professor Emeritus
L.E. Crosby, B.Sc. (Acadia), M.Sc. (Acadia) - Associate Professor

L.J. Eaton, B.Sc. (Acadia), M.Sc. (Dalhousie) - Associate Professor
A.B. Gray, B.Sc. (Bishops), M.Sc. (McGill), Ph.D.(McGill) - Assistant Professor
J.-P.R. Le Blanc, B.A. (Montreal), B.Sc. (Quebec), Ph.D. (McGill)- Associate Professor
A.R.Olson, B.A. (Augustana), M.Sc. (Wisconsin), Ph.D. (Alberta) - Associate Professor
M.G. Sampson, B.Sc. (Dalhousie), B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Assistant Professor
G.W. Stratton, B.Sc. (Agr.) (Guelph), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor

Chemistry-Soils

H.M. MacConnell, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor and Head
W.M. Langille, B.Sc. (Acadia), M.Sc. (McGill) - Professor Emeritus
G. R. Brewster, B.A.(Western Ont.), M.Sc.(Weste... Ont.), Ph.D.(Western Ont.) - Associate Professor
J.E. Hawley, B.Sc. (Agr.) (McGill) - Assistant Professor
J. Hoyle, B.A.(Univ. York), B.A.(Open Univ.), M.Sc.(Leeds), Ph.D.(Dalhousie) - Assistant Professor
K.S. MacLean, B.Sc. (Dalhousie), M.Sc. (McGill) - Associate Professor
H.F. MacRae, B.Sc. (Agr.) (McGill), Ph.D. (McGill), D.Sc.(Hon.)(McGill) - Principal & Professor
J.C. Miller, B.Sc. (Agr.) (Guelph), M.Sc. (Alberta) - Assistant Professor
A.S. Payne, B.Sc. (Agr.) (McGill), M.Sc. (McGill) - Associate Professor
A.R. Robinson, B.Sc. (Agr.) (McGill), M.Sc. (McGill), Ph.D. (McGill) - Professor
P.R. Warman, B.Sc. (Agr.) (Rutgers), M.Sc. (Guelph), Ph.D. (Guelph) - Associate Professor

Economics and Business Management

J.C. Tait, B.Sc. (Agr.) (McGill), M.Sc. (New Hampshire) - Associate Professor and Head
D.E. Arnfast, B.B.A. (St. Francis Xavier) - Assistant Professor
A.D. Ells, B.Sc. (Agr.) (McGill), M.A. (Acadia) - Associate Professor
J. M. Bowker, B.A.(Bates), Ph.D.(Texas A & M) - Assistant Professor
K.G. Grant, B.A. (Acadia), M.A. (Western Ontario), Ph.D. (Western Ontario) - Associate Professor
P. Lederman, B.A.(Queens), M.A.(Dalhousie), LL.B.(Queens), BCL(Oxford) - Sessional Lecturer
S.J.B. Stackhouse, B.Sc. (Agr.Ec.) (Guelph), M.Sc. (Guelph) - Associate Professor

Humanities

P. M. Sanger, B.A. (Melbourne), B.Ed. (Acadia), M.A. (Victoria) - Associate Professor and Head
Parker Cox, B.A. (Acadia), M.A. (Toronto) - Professor Emeritus
P. A. MacCormick, B.A.(Dalhousie), B.Ed.(Dalhousie), M.B.A.(Dalhousie) - Sessional Lecturer
Rev. D.I. MacEachern, B.A. (Mt. Allison), M.Div. (Pine Hill) - Associate Professor
K. S. Marchant, B.P.Ed. (New Brunswick), M.S. (Springfield) - Associate Professor
L.L. Sanderson, B.Sc.(Agr.)(Guelph), M.Sc. (Guelph) - Assistant Professor
J.M. Smith, B.P.Ed. (Dalhousie) - Assistant Professor

Mathematics and Physics

S.G. Smith, B.Sc. (Mt. Allison), M.Sc. (Windsor) - Associate Professor and Head
D.G. Bishop, B.Eng. (Agr.) (Technical University of Nova Scotia), M.Eng. (Agr.) (Technical University of Nova Scotia) - Associate Professor
I. M. Fraser, B.Sc.(Dalhousie), M.A.(Maine) - Associate Professor and Vice-Principal
C. T. Madigan, B.Sc.(Windsor), M.Sc.(Windsor) - Associate Professor
G. J. Pearson, B.Sc.(Queens), M.Sc.(Queens), B.Ed.(Dalhousie) - Assistant Professor
V. L. Saxon, B.Sc.(Dalhousie), B.Ed.(Acadia), B.Eng.(Nova Scotia Technical College), M.B.A.(Dalhousie) - Associate Professor and Registrar

Plant Science

C.D. Caldwell, B.Sc. (Mt. Allison), M.Sc. (Dalhousie), Ph.D. (East Anglia) - Associate Professor and Head
J.E. Shuh, B.S.A. (Toronto), M.Sc. (McGill) - Professor Emeritus
J.S. Bubar, B.Sc.(Agr.) (McGill), M.S. (Pennsylvania State), Ph.D. (McGill) - Professor
R.W. Daniels, B.Sc. (Agr.) (McGill), M.S. (Michigan State) - Associate Professor
J. Fraser, B.Sc. (London), M.Sc. (Aberdeen), Ph.D. (Canterbury) - Associate Professor
T.H. Haliburton, B.Sc. (Agr.) (McGill), M.S. (Cornell) - Associate Professor
W.J. Higgins, B.Sc. (Mt. Allison), M.S. in Ed. (Niagara) - Associate Professor
H.-Y. Ju, B.Sc. (Agronomy) (Seoul), M.Sc. (McGill), Ph.D. (McGill) - Associate Professor
L. R. Mapplebeck, B.Sc.(Guelph), M.Sc.(Guelph) - Assistant Professor
J. Nowak, M.Sc. (Olsztyn), Ph.D. (Olsztyn), Ph.D. Habil (Olsztyn) - Professor

K. Padmanathan, B.Sc. (Madras), B.Sc. (Agr.) (Columbia), M.Sc. (Pennsylvania State), Ph.D.(Pennsylvania State) - Professor
R. G. Robertson, B.Sc.(For.)(Aberdeen) - Sessional Lecturer from N. S. Dept. of Lands and Forests

COURSES OFFERED

DEGREE

A complete four-year course leading to a degree in Agricultural Sciences (B.Sc.(Agr.)) is offered with a choice of the following options:

Agricultural Chemistry
Agricultural Economics
Agricultural Mechanization
Agricultural Soils
Animal Science
Plant Protection
Plant Science

Students can take other options without interruption by transferring to the third year of the B.Sc.(Agr.) program at Macdonald College of McGill University, the University of Guelph, the University of Maine or the Faculty of Agriculture at another university.

Students who successfully complete the three years of the Agricultural Engineering diploma program can proceed to Macdonald College of McGill University or the University of Guelph to complete their program of study. A two-year engineering program is built into the 3-year program for students proceeding to the Technical University of Nova Scotia.

Students who wish to take the three year Pre-Veterinary program to meet admission requirements of the Atlantic Veterinary College at the University of Prince Edward Island must, after completing the first year, enter the Animal Science option and take a specific selection of subjects. The Pre-Vet program also serves as the first three years of the B.Sc.(Agr.) program, Animal Science option.

TECHNICIAN

The following two-year programs of study are offered:

Agricultural Business
Agricultural Engineering
Animal Science
Farm Equipment
Plant Science

TECHNOLOGY

The following two-year programs of study are offered:

Biology Laboratory Technology
Chemistry Laboratory Technology
Landscape Horticulture Technology

The following two-year programs are offered only to students who have successfully completed one year of a specified Technician Course (or equivalent):

Agricultural Engineering Technology
Farming Technology

Students in the Farming Technology Course spend eleven months (including summers) of their course work on farms. Seven of those months consist of structured training under a farmer/instructor.

Agricultural Technology is a one-year program, tailored to meet the needs of the student. Only Technician graduates are eligible to apply for this course.

A three-year Animal Health Technology program includes a 7-month internship requirement.

SUMMARY OF VOCATIONAL AND CONTINUING EDUCATION PROGRAMS

April 1, 1988 - March 31, 1989

Vocational courses have been designed to assist men and women enter or progress in farm or farm related careers. Forty-nine courses were held with 718 persons enrolled, totalling 8,804 student training days.

The Canada Employment and Immigration Commission sponsored 236 persons by paying their tuition and on courses over 10 days duration a training allowance. Details on enroled can be seen in the following tables:

PROVINCE	NUMBER OF STUDENTS			% OF TOTAL STUDENTS		
	1986-87	1987-88	1988-89	1986-87	1987-88	1988-89
Nova Scotia	436	533	489	74.5	75.3	68.1
New Brunswick	72	75	98	12.3	10.5	13.6
Prince Edward Is.	46	58	65	7.8	8.2	9.1
Newfoundland	24	29	50	4.1	4.1	7.0
Other residents	7	13	16	1.1	1.9	2.2
Total # Enroled	585	708	718			
Total # Graduated	439	658	684			
Total # Sponsored by C.E.I.C.	232	276	236			
Total Student Training Days	9,832	10,136	8,804			

In conducting these courses, college staff was supplemented by organizational and lecture assistance from many sources, with the Nova Scotia Department of Agriculture and Marketing being the major contributor. Guest instructors for many topics are recruited from various federal research stations, other federal and provincial government services, business firms and private entrepreneurs.

The following courses were offered from April 1, 1988 to March 31, 1989:

VOCATIONAL COURSES:

Horse Care Program
Artificial Insemination of Silver Fox
Farm Skills Course
Potato Production Technology
Artificial Insemination
Poultry Production
Turf Production
Turf Management of Recreational Fields
Introductory Floral Design Course
Basic Farm Welding
Developing Effective Supervisory Skills
Swine Herd Operation
Installation of Modular Pavers
Basic Sheep Husbandry
Basic Beekeeping
Meat Cutting Course
Basic Farrier Course
Organic Chemistry
Fox Production
Dairy Herd Operation Course
Introductory Farm Accounting
Introductory Vegetable Production
Tree Fruit Production Course
Floral Design Course
Techniques for Maximum Economic Yields of Cereals
Intro. to Word Processing Using Wordperfect
Bedding Plant Production
Advanced Beekeeping
Landscape Plants "Their Planting and Maintenance"
Leading Into the 1990's: Strengthening Our Farm Organization
Garden Centre/Farm Market Employee Training Course

CONTINUING EDUCATION COURSES:

Basic Flower Arranging for the Home
Berry and Tree Fruit Production
Introductory Beekeeping
Introduction to Computer Aided Drafting
Computer Aided Drafting
Residential Landscaping Course

AUTUMN ASSEMBLY

OCTOBER 12, 1988

Autumn Assembly, which is held annually to present awards and scholarships to students, took place on October 12, 1988. Dr. Lewis Perinbam, Vice-President, Canadian International Development Agency was the guest speaker. N. S. Z. Njie, M.A., M.Sc., Dip. Agric., Dip. Ed., Principal of the Gambia College, was presented with an Honorary Associate.

GENERAL SCHOLARSHIPS

Canada Scholarship, $2000
- Kimberley Barteaux, R. R. # 1, Annapolis Royal, N. S.
- Suzanne Blatt, R. R. # 1, Kentville, N. S.
- Karen Morrison, 188 Cartier St., Sydney, N. S.
- Andrew Myers, R. R. # 1, Hillsborough, N. B.
- Patricia Ryan, Port Au Port, Nfld.
- Benjamin Stokdijk, R. R. # 1, Truro, N. S.

Bravo 500 Plant Protection Scholarship, $1250
- Gregory Donald, R. R. # 2, Kensington, P. E. I.

The A. C. Neish Memorial Trust Scholarship, $1200
- JoAnn Van Kessel, R. R. # 1, New Glasgow, N. S.

The Nova Scotia Agricultural College Alumni Assoc., $1000
- Tamborah Adams, R. R. # 8, Moncton, N. B.
- Karen Murchison, Perth-Andover, N. B.

The Atlantic Fertilizer Institute Scholarship, $1000
- John Schenkels, Red Bank, N. B.

Canada Packers Scholarship, $1000
- JoAnn Van Kessel, R. R. # 1, New Glasgow, N. S.

The Nova Scotia Institute of Agrologists, $1000
- Gregory Gerrits, R. R. # 2, Centreville, N. S.

Co-op Atlantic Scholarship, $1000
- John Henry, 10 William St., Truro, N. S.

N. S. Milk Producers Scholarship, $1000
- Duncan McCurdy, R. R. # 1, Truro, N. S.

Newfoundland Egg Marketing Board Scholarship, $1000
- Rhonda Rumbolt, R. R. # 1, Deer Lake, Nfld.

Soil and Water Conservation Society Scholarship, $1000
- Linda Jack, R. R. # 2, Truro, N. S.

Supersweet Feeds Scholarship, $1000
Janice Gill, Bishop's Falls, Nfld.

Hants County Exhibition Scholarship, $1000
Darren Robinson, Town Road, Falmouth, N. S.

F. W. Walsh Memorial Scholarship, $800
Andrea Bourque, 1977 Craig Ave., Bathurst, N. B.

Woodside Memorial Scholarship, $500
Natalie Burns, R. R. # 2, Lower Freetown, P. E. I.
Jason Webster, R. R. # 4, Kensington, P. E. I.

Hank DeBoer Memorial Scholarship, $500
Michelle Langille, R. R. # 6, Truro, N. S.

The Atlantic Fertilizer Institute Scholarship, $500
Pamela Gillis, R. R. # 5, Bridgetown, N. S.

The Ernest L. Eaton Memorial Scholarships, $500
Linda Jack, R. R. # 2, Truro, N. S.
Duncan McCurdy, R. R. # 1, Truro, N. S.

The Benny Duivenvoorden Memorial Scholarship, $500
Steven Alward, Riverside-Albert, N. B.

Women's Institute Scholarship, $500
Jennifer Vander Kooi, R. R. # 1, Elmsdale, N. S.

Newfoundland Milk Marketing Board Scholarship, $500
Susan Traverse, Torbay, Nfld.
Gerald Wicks, 47 Campbell Ave., St. John's, Nfld.

New Brunswick Poultry Council Scholarship, $500
George Denning, R. R. # 1, Upper Woodstock, N. B.

The Vice-Principal's Scholarship, $500
Janice Verhulp, R. R. # 3, Bonshaw, P. E. I.

The Canadian Feed Industry Assoc. (Atlantic Division) Scholarship, $400
A. James Wall, R. R. # 5, Tatamagouche, N. S.

Cobequid Dog Club, $400
Colin Palmer, R. R. # 1, Aylesford, N. S.

N. S. Federation of Agriculture Scholarships, $300
Sandra King, R. R. # 1, Porter's Lake, N. S.
Glenn Spencer, R. R. # 1, Great Village, N. S.

Ira L. Rhodenizer Memorial Scholarship, $300
Mary Ann Oulton, R. R. # 1, Windsor, N. S.

The Donald E. Clark Memorial Scholarship, $300
Blaine Carpenter, R. R. # 3, Woodstock, N. B.
William Cox, R. R. # 2, Mabou, N. S.

Atlantic Provinces Nursery Trade Assoc. Scholarship, $300
Tracey MacKenzie, R. R. # 3, Truro, N. S.

A. B. Banks Memorial Scholarship, $250
Susan Appt, R. R. # 1, Westfield, N. B.

The A. W. Mackenzie Memorial Scholarship, $150
Mary Ann Oulton, R. R. # 1, Windsor, N. S.

The Wilfred Cyr Memorial Scholarship, $100
Susan Appt, R. R. # 1, Westfield, N. B.
Steven Alward, Riverside-Albert, N. B.

Bruce Trenholm/Atlantic '86 Scholarship
Stephen Howatt, R. R. # 1, Kinkora, P. E. I.

Col. Charles H. Coll Memorial Scholarship
Troy Hiltz, R. R. # 1, New Ross, N. S.

The Dorothy Creelman Cox Scholarship
Tammie Stewart, R. R. # 2, Albany, P. E. I.

The Dr. Kenneth Cox Scholarship
Janice Verhulp, R. R. # 3, Bonshaw, P. E. I.

PROVINCIAL SCHOLARSHIPS

NOVA SCOTIA

$1500
Kimberly Barteaux, R. R. # 1, Annapolis Royal
Jill Hume, Chester
Karen Morrison, 188 Cartier St., Sydney
Benjamin Stokdijk, R. R. # 1, Truro

$1000
Kimberley Babineau, Parrsboro
Suzanne Blatt, R. R. # 1, Kentville
Rene Boertjes, R. R. # 1, Debert
Steven Chiasson, 4 Mill Court, Bedford
Catherine Creighton, R. R. # 2, Windsor Junction
Michelle d'Entremont, 17 Ellis Road, Yarmouth
Anne Drew, Mosher Island, LaHave
Gregory Gerrits, R. R. # 2, Centreville

John Henry, 10 William St., Truro
Linda Jack, R. R. # 2, Truro
Alison Jennex, 202 Amaranth Crescent, Dartmouth
Patricia Johnson, 92 Oakmount Drive, Bedford
Pamela MacKay, 188 Lacewood Drive, Halifax
Juana MacLeod, R. R. # 1, South Bar, Sydney
Duncan McCurdy, R. R. # 1, Truro
Bryce McInnis, 157A Brunswick St., Truro
Derek Mostert, R. R. # 2, Shubenacadie
Sarah Noble, 47 Hazelholme Drive, Halifax
David Pierik, R. R. # 3, Canning
Shannon Smale, R. R. # 1, Kingston
Emma Raghavan, Arichat
Robert Theriault, Arichat
Mark Urquhart, R. R. # 2, New Glasgow
Paul Van de Wiel, R. R. # 1, St. Andrews
JoAnn Van Kessel, R. R. # 1, New Glasgow
Michael Wheadon, R. R. # 1, Brookfield
Michelle Willis, 9 Robertson St., New Glasgow
Darren Woodworth, R. R. # 1, Berwick

$500

Cheryl Archibald, R. R. # 3, Truro
Jean Baillie, R. R. # 2, River John
John Dykstra, R. R. # 2, Pictou
Leonard Ells, 85 Pictou Road, Truro
Wendy Faulkner, 22 Barry Ave., Truro
David Fullerton, 182 Brookside Rd., Truro
Sandra King, R. R. # 1, Porter's Lake
Paul Kittilsen, R. R. # 1, Newport
Kyra Larkin, 147 Aspen Crescent, Lower Sackville
Philip Maxwell, R. R. # 1, Debert
Tracey McRae, R. R. # 6, Truro
Richard Melvin, New Ross
William Neily, R. R. # 2, Middleton
Lori Schofield, R. R. # 3, Windsor Forks
Jennifer Vander Kooi, R. R. # 1, Elmsdale
Stavroula Vihos, 3 Birkley St., Glace Bay
James Wall, R. R. # 5, Tatamagouche
Mark Wallace, 46 Prince St., Yarmouth

$200

Lori Ann Crowell, R. R. # 1, Newport
Emily Curtis, R. R. # 1, North Sydney
Pamela Gillis, R. R. # 5, Bridgetown
Nancy Keddy, Aylesford
Darria Langill, R. R. # 2, Truro
Michelle Langille, R. R. # 6, Truro
Kimberly MacIsaac, R. R. # 2, Port Hood
Tracey MacKenzie, R. R. # 3, Truro
Shawna Melanson, 20 Cambridge Ave., Stellarton
Ronda Noiles, 123 Caldwell Road, Dartmouth
Glenn Spencer, R. R. # 1, Great Village

NEWFOUNDLAND

$700 Michelle Peddle, Burgeo
Michelle Ralph, St. George's
Patricia Ryan, Port Au Port

BURSARIES

Farm Credit Corporation Bursary, $1000
Jill Hume, Chester, N. S.

Beaver Foods Limited Bursaries, $500
Tammy Hill, 115 Small Ave., Wilmot, P. E. I.
Ross Shaw, R. R. # 1, Hartland, N. B.

Bravo 500 Technology Bursary, $500
Alan MacIntyre, Bras d'Or, N. S.

David W. Brown Bursary, $500
Mary Ann Oulton, R. R. # 1, Windsor, N. S.
Joann Whalen, 560 Gondola Point Rd., Rothesay, N. B.

Co-op Atlantic, $500
Nancy Keddy, Aylesford, N. S.
Larry Nason, Tracy, N. B.
Nichelle Peck, 283 Church St., Moncton, N. B.

Dr. Robert G. Rix Family Farm Bursary, $300
Alan MacIntyre, Bras d'Or, N. S.

Farm Focus Bursary, $200
Ardith MacKay, R. R. # 1, Scotsburn, N. S.

The Edith Main Memorial Bursary, $100
Stephanie Peppard, R. R. # 1, Great Village, N. S.

Kings County Federation of Agriculture Bursary
Shannon Smale, R. R. # 1, Kingston, N. S.

PRIZES

N. S. Veterinary Medical Association Prize, $200
Ross Shaw, R. R. # 1, Hartland, N. B.

G. G. Smeltzer Award, $100
Judy MacMillan, R. R. # 1, Brookfield, N. S.

The Roy H. Stevenson Prize in Mathematics & Physics, $100
Emma Raghavan, Arichat, N. S.

The Lorne C. Callbeck Prize, $50
Michelle White Hogue, Truro, N. S.

The H. J. Fraser Memorial Prize in English
Joann Whalen, 560 Gondola Point Rd., Rothesay, N. B.

Canadian Society of Animal Science Prize
JoAnn Van Kessel, R. R. # 1, New Glasgow, N. S.

ATHLETICS IN REVIEW

Once again the N.S.A.C. Varsity Rams had a busy year in the athletic circles. Although the majority of competition was played in the Nova Scotia College Conference, N.S.A.C. participated in competition in New Brunswick, Prince Edward Island, Quebec, Ontario, British Columbia and Maine.

Varsity teams competing in the Nova Scotia College Conference were:

Soccer - (women & men)
Basketball - (women & men)
Badminton - (women & men)
Volleyball - (men)
Cross-Country Running - (women & men)

Two other varsity teams competed in other competition:

Woodsmen - (women & men)
Hockey - (men)

WOMEN'S SOCCER

The 1988 Soccer season was a challenging one for the A.C. women's squad. The loss of key team members due to graduation, academic commitments and injury was felt early in the season, but a very athletic group of rookies filled the gaps quite nicely. In the latter half of the schedule, team play was vastly improved, but a lack of ball control caused a number of errors leading to goals against and missed offensive attempts.

In a very competitive N.S.C.C. league, the AC girls finished in 5th place with a 1-0-7 (win-loss-tie) record. Exhibition play produced 2 wins and a loss.

Top goal scorers for the season were:

Jean Baillie
Susie Callaghan
Lisa Quartermain
Susie Blatt

Two players were chosen for All-Conference honors by the League for their fine play over the schedule: Jean Baillie - Forward; Karen Buckley -Back.

A season's experience for the rookies and a return of the veterans should enable the A.C. women to be again challenging for Conference honours in 1989.

MEN'S SOCCER

Again, the Nova Scotia College Conference soccer league was keen competitively, University of Kings and TUNS were really much stronger than the other squads, A.C., T.C. and Coast Guard. The Rams ended the season with a league won-lost-tied record of 2-5-1 for a fourth place finish. The rookie squad drew Kings in the playoffs. In league play, the blue and gold squad were outscored 11-0 by Kings, but the determined A.C. Rams played evenly with the Blue Devils for most of the match and came out on the short end of the score 3 - 1. Truro players, David Carmichael and Steve Clarke, were named to the all-conference team. Carmichael, who graduated in May, also led the team in scoring with five(5) goals.

The highlight of the season for the soccer team was the Open House Canada Exchange with Selkirk College of Castlegar, British Columbia.

The exchange, under the auspices of the Secretary of State, allows students from separate areas of the country, to experience the cultural, social and educational environment of that particular locale. The British Columbia group, located in the south eastern sector of the province travelled to Nova Scotia, October 3-10, and the Rams returned to B.C. for October 17-24.

Castlegar is located in the Kootenay Mountain Range and is the centre of Doukhobor culture. Some members of the Selkirk College team were Doukhobors. Highlights of the trip were tours to the COMINCO smelter in Trail - one of the largest in the world and a trip to Penticton to visit the Federal Research Station. Locally, the sixteen-member contingent toured the Doukhobor museum and were served a typical Russian meal. Overall, it was a great experience and a memory to be cherished forever. Oh yes!! We did play a couple of soccer matches, a 3-3 tie with Selkirk and a 3-1 loss to Vancouver Community College, who came into Castlegar for a league game and stayed over to play the Rams.

CROSS-COUNTRY

Although the season for the N.S.A.C. cross-country teams were quite short, extending only from late September through October, it was nevertheless an exciting and worthwhile effort.

In all, three meets were held, all varying in course layout, length and difficulty. The first meet was held in Victoria Park and was organized by the Nova Scotia Teachers College. Strong performances by all team members saw the A.C. men's team finish in first place in the men's competition, followed by Kings College. On the women's side, the A.C. girls placed a close second, just one point behind the first place Kings College team.

The second meet was held near the Mount Saint Vincent campus in Halifax on a course that should have been called a road race rather than a cross-country race. This proved to be a little discouraging for the A.C. men as they placed third in the team competition behind Kings and Mount Saint Vincent. One good note, however, was the strong performance by Hubert Duivenvoorden, who ran a smart tactical race and finished first in the men's division. The women finished second in the team competition to Mount Saint Vincent, however, they defeated the Kings team which had previously defeated them at the Victoria Park meet.

The provincial championships were once again held in Cape Breton at the Canadian Coast Guard College. Good weather conditions and a challenging 8 km race course allowed the N.S.A.C. men's team to handily defeat all the competition and win its second straight men's title. With a smart front running race strategy, Kevin Britt led the A.C. men with a second place finish. He was followed by Hubert Duivenvoorden in third and Arden Gardner rounded out the team scoring with a fifth place finish. Other members of the N.S.A.C. men's team that should be congratulated for their strong efforts are John Bowness, Dwayne Tattrie and Orlando Ruiz.

The women's team ran a close second behind Mount Saint Vincent in the 5 km women's championship due to excellent performances by Emma Raghaven in the 4th, Karen Mills in 5th, Heather Stevens in 8th, and Denise Maxwell in 13th.

The future looks good for both squads next season as most team members will be returning, which means that the men's team will have a good chance to successfully defend their team title, and the girls should be right in the thick of things for the women's crown.

MEN'S BASKETBALL

The Nova Scotia Agricultural College Rams returned to the Nova Scotia College Conference after a year's absence. Although the won-loss record wasn't all that great (3-17), the members gave it their best shot.

Point guard Mark Wallace was the key to the Rams offense. The Yarmouth native was fourth highest in league scoring with an average of 21.5 points per game. He also scored the most three point field goals in one game with seven. For his efforts, Mark was selected to the first all-conference team.

Klarke Crosbey, another Yarmouth native, voted rookie of the year at N.S.A.C., was eighth in league scoring with an average of 15.4 points. If there was a highlight during the season, it was defeating Kings on our home floor. It was the first time in five years that the Rams have beaten Kings.

Exhibition competition was played against N. B. Community College, Moncton Campus, and participation in the U.N.B. Saint John tournament where N.S.A.C. won the consolation game.

With a rookie squad of upwards of nine expected to return, the Rams look fairly solid for next year's competition with a year's experience under their

belt. The loss of Mark Wallace to vet school will be a big gap to fill, but our size inside is expected to compensate for his departure. The potential recruiting list is very positive and the team looks forward to an exciting 89-90 season.

WOMEN'S BASKETBALL

The basketball season has finished for another year, with great improvement seen over the 1987-88 effort. Although the win/loss record did not reflect much change, the girls were very competitive and most of the league contests were 10 point (or less) games.

Leading the squad were Marg Wheaton and Anne Marie Gregory with 11.8 and 10.6 points per game. Both girls were recognized for their efforts with all-conference honors.

Exhibition games were played with Japan Camera, Mount Allison, Truro Seniors, U.P.E.I., JV's and Halifax Senior Teams. A highlight of the season was the participation of the team in the Ahuntsic Tournament in Montreal.

Playing against Ahuntsic, St. Laurent Rockies, and Maisonneive, resulted in three losses, but the intense competition and the challenge of playing against the "additional inches" were good for the team to experience.

The season wrapped up with N.S.C.C. Championship play when the Rams lost to N.S.T.C. in the first round.

Most of the team is returning. 1989-90 looks bright for the girls to continue the climb to the top of the N.S.C.C.

MEN'S VOLLEYBALL

In league play, the Rams Volleyball Squad finished with a 10-10 record for 4th place.

As a result, the playoffs held at U.C.C.B., saw the Rams face TUNS in first round action with the Rams losing.

TUNS went on to win the championship and as a result a playoff of the remaining teams occurred to select a representative for C.C.A.A. Nationals. In this, the Rams defeated N.S.T.C. and lost to U.C.C.B. to close out the season.

Receiving All-Conference Honors was Reg Wade, a second year setter. Reg also was selected as an All-Canadian for his outstanding play.

BADMINTON

The badminton season ended with N.S.C.C. Championships hosted at N.S.A.C., March 4th. After consistently finished in 3rd and 4th place through Conference tournaments, the Rams failed to move up the ladder in a tight finish with: MSVU - 35 pts.; TUNS - 33 pts.; UCCB - 32 pts.; NSAC - 31 pts.

All members played well with Jenny Gilmore and Nancy Barns placing the highest, winning the Women's Doubles category. They competed in C.C.A.A. Championships at Ste. Foy College in Quebec City, March 16-18.

Placings in other categories included: Men's Singles, 4th, Chris Atwood; Men's Doubles, 3rd, Trevor Fox, Chris Dunbar; Mixed Doubles, 3rd, Leanne Giffen, Chris Winter; Women's Singles, 4th, Ann Gillis.

HOCKEY

The Rams had a very successful season in the West Colchester Intermediate league. Playing at the Debert Arena, the team finished in third place after some very exciting play, and a tight race for top spot.

Facing Walkers (who finished 2nd) in the first round of the playoffs, the Rams fell 3-0 to finish the season.

WOODSMEN

The N.S.A.C. Woodsmen Teams again participated in a number of competitions throughout the eastern region. Also, the teams were once again successful in retaining their role as one of the more competitive teams in all the tournaments. Only once did a men's team finish lower than 7th place. The women's side finished in the top three in their five competitions. Rick Russell continues his excellent handling of the team and this year he was ably-assisted by David Weatherhead.

Listed are the 1988-89 competitions in which N.S.A.C. participated:

U.N.B. MEET

Number of Colleges - 10

Men - 1st - UNB "A"
3rd - NSAC "A"
6th - NSAC "B"

Number of Teams - 24

Women - 1st - MAC"A"
2nd - NSAC "C"

UNITY MEET

Number of Colleges - 8

Men - 1st - UNB "A"
3rd - NSAC "A"
6th - NSAC"B"

Number of Teams - 21

Women - 1st - MAC"A"
2nd - NSAC"B"

MACDONALD MEET

Number of Colleges 11

Men - 1st - NSAC"A"
5th - NSAC"B"

Number of Teams - 23

Women - 1st - SSFC
2nd - NSAC"C"

ORONO - MAINE

Number of Colleges - 10 — Number of Teams - 20

Men - 1st - UNB"A"
3rd - NSAC"A"
5th - NSAC"B"

Women - 1st - NSAC"C"

NSAC MEET

Number of Colleges - 4 — Number of Teams - 11

Men - 1st - MAC"A"
2nd - NSAC"B"
3rd - NSAC"A"

Women - 1st - MAC"C"
2nd - NSAC"C"

SSFC MEET

Number of Colleges - 12 — Number of Teams - 32

Men - 1st - Pinkerton

Women - no competition

Men - 1st - Pinkerton
4th - NSAC"A"
16th - NSAC"B"

The major award winners for 1988-89 were:

Reg Wade	- CCAA All-Canadian - Volleyball - NSAC Athlete of the Year - Volleyball and Basketball - NSAC Volleyball - M.V.P.
Jenny Gilmore	- CCAA Nationals Participant - Ladies Doubles - NSAC Athlete of the Year - Badminton - NSAC Badminton - M.V.P.
Mark Wallace	- NSCC All-Conference Basketball - 1st team - NSAC Basketball - M.V.P.
Marg Wheaton	- NSCC All-Conference - Basketball - NSAC Basketball - M.V.P.
David Carmichael	- NSCC All-Conference - Soccer - NSAC Soccer - M.V.P.
Jean Baillie	- NSCC All-Conference - Soccer - NSAC Soccer - M.V.P.

Jennifer Crossley	-	NSAC Woodsmen - Belle of the Woods - M.V.P.
Grant MacKenzie	-	NSAC Woodsmen - Bull of the Woods - M.V.P.
Grant MacKenzie	-	NSAC Hockey - M.V.P.

ROOKIE OF THE YEAR	NAME	HOMETOWN
Men's Soccer	Steve Clark	Parrsboro
Women's Soccer	Susan Appt	Westfield, N.B.
Woodsmen (F)	Lisa Cody	Windsor
Woodsmen (M)	Alan MacIntyre	Bras d'Or
Badminton	Leanne Giffen	Milford
Women's Basketball	Marg Wheaton	Sackville, N.B.
Men's Hockey	Andrew Newcombe	Port Williams
Men's Volleyball	Dennis Doherty	Sussex, N.B.

MOST IMPROVED PLAYER	NAME	HOMETOWN
Men's Soccer	Dwayne Pearson	Cody's, N.B.
Women's Soccer	Jean Baillie	River John
Men's Volleyball	Jeff Wentzell	Bridgewater
Badminton	Chris Dunbar	Alberton, P.E.I.
Women's Basketball	Pat Cabot	West St. Modeste, Nfld.
Men's Hockey	Troy Webster	Kinkora, P.E.I.

ALL-CONFERENCE SELECTIONS

Soccer	Jean Baillie	River John
Soccer	Dianne Stevens	Western Shore
Soccer	William MacMurdo	Kensington, P.E.I.
Soccer	Jannes Wesselius	River Glade, N.B.
Volleyball	Reg Wade	Granville Ferry
Basketball	Marg Wheaton	Sackville, N.B.
Men's Doubles - Badminton	John Suidgeest	Shubenacadie
Men's Doubles - Badminton	Chris Winter	Cornwall, P.E.I.

CONFERENCE CHAMPIONS

Cross Country	Kevin Britt	Saint John, N.B.
Cross Counrty	Emery Leger	Shediac, N.B.
Cross Country	Hubert Duivenvoorden	Sussex, N.B.
Cross Country	Arden Gardiner	River Hebert

M.V.P. AWARDS

Men's Soccer	William MacMurdo	Kensington, P.E.I.
Women's Soccer	Karen Mills	Halifax
Men's Volleyball	Reg Wade	Granville Ferry
Badminton	John Suidgeest	Shubenacadie
Men's Hockey	Terry Prescott	Moncton, N.B.
Women's Basketball	Marg Wheaton	Sackville, N.B.
Woodsmen (F)	Celia Boone	East Bay
Woodsmen (M)	Steve Watts	Cornwall, P.E.I.

DISTINCTION AWARDS

Contribution	Emery Leger	Shediac, N.B.
Athlete of the Year (F)	Karen Mills	Halifax
Athlete of the Year (M)	John Suidgeest	Shubenacadie

Athletic Director - Ken Marchant
Co-ordinator, Women's Athletics - Judy Smith

PRINCIPAL'S LIST

On Tuesday, March 14th, Dr. H. F. MacRae entertained 42 students of the Nova Scotia Agricultural College at a dinner given in their honour at the Riverview Room. The Principal's List honours those students who have achieved academic excellence at the College.

The guest speaker was Dr. William Reid, President, University College of Cape Breton.

Each student was presented with a plague in recognition of his/her achievement.

Claire Adams, R. R. # 2, Hampton, N. B.
Susan Appt, R. R. # 1, Westfield, N. B.
Kimberley Babineau, Parrsboro, N. S.
Suzanne Blatt, R. R. # 1, Kentville, N. S.
Kevin Britt, 11 Canterbury St., Saint John, N. B.
Sylvia Brookhouse, 122 Victoria St., Truro, N. S.
Jennifer Crossley, 494 Chisholm St., New Glasgow, N. S.
Emily Curtis, R. R. # 1, North Sydney, N. S.
Gregory Donald, R. R. # 2, Kensington, P. E. I.
E. Anne Drew, LaHave, N. S.
Leonard Ells, 15 Main St., Middleton, N. S.
Wendy Faulkner, 22 Barry Ave., Truro, N. S.
Pamela Gillis, R. R. # 5, Bridgetown, N. S.
Jennifer Gilmore, 7 Skeena St., Dartmouth, N. S.

Mary Hallett, 935 Young Ave., Halifax, N. S.
John Henry, 10 William St., Truro, N. S.
Tammy Hill, 115 Small Ave., Wilmot, P. E. I.
Stephen Howatt, R. R. # 1, Kinkora, P. E. I.
Jill Hume, Chester, N. S.
Linda Jack, R. R. # 2, Truro, N. S.
Rupert Jannasch, R. R. # 1, Tantallon, N. S.
Alison Jennex, 202 Amaranth Crescent, Dartmouth, N. S.
Beth Kyle, R. R. # 2, Amherst, N. S.
Peter Lawson, R. R. # 2, Cornwall, P. E. I.
Ardith MacKay, R. R. # 1, Scotsburn, N. S.
Pamela MacKay, 188 Lacewood Dr., Halifax, N. S.
Tracey MacKenzie, R. R. # 3, Truro, N. S.
Judy MacMillan, R. R. # 1, Brookfield, N. S.
Darlene MacNeil, R. R. # 1, St. Peter's, N. S.
Krista McAllister, R. R. # 1, Millerton, N. B.
Duncan McCurdy, R. R. # 1, Truro, N. S.
Bryce McInnis, 157A Brunswick St., Truro, N. S.
Tracey McRae, R. R. # 6, Truro, N. S.
Shawna Melanson, 20 Cambridge Ave., Stellarton, N. S.
Richard Melvin, New Ross, N. S.
Sarah Noble, 47 Hazelholme Dr., Halifax, N. S.
Ronda Noiles, 123 Caldwell Road, Dartmouth, N. S.
Shannan O'Neill, 319 Pleasant St., Newcastle, N. B.
D. Alan Porter, R. R. # 1, Belmont, N. S.
Terrance Prescott, R. R. # 1, Moncton, N. B.
Emma Raghavan, Arichat, N. S.
Rhonda Rumbolt, R. R. # 2, Deer Lake, Nfld.
Edith Sanford, R. R. # 1, Brookfield, N. S.
Lori Schofield, Windsor Forks, N. S.
Karen Sheehan, R. R. # 4, Souris, P. E. I.
Nancy Spear, 143 Ryland Ave., Truro, N. S.
Glenn Spencer, R. R. # 1, Great Village, N. S.
Robert Theriault, Arichat, N. S.
Jennifer Van der Kooi,R. R. # 1, Elmsdale, N. S.
JoAnn Van Kessel, R. R. # 1, New Glasgow, N. S.
Janice Verhulp, R. R. # 3, Bonshaw, P. E. I.
Michelle White Hogue, Truro, N. S.

CONVOCATION

The Convocation Exercises were held on Wednesday, May 3, 1989 at the Athletic Centre. The winners of the Governor-General's Medals were: Jill Hume, Degree Student and Tracey MacKenzie, Technical Student. Other awards were presented to Jo Ann Van Kessel and Kimberley Metcalfe, Atlantic Provinces Swine Producers Awards; Terrance Prescott, Ketchum Manufacturing Company Ltd. Prize; Tracey MacKenzie, K. DeGeus Memorial Prize for Plant Science. The valedictory address was delivered by Jill Hume.

Two Honorary Degrees were conferred. Robert S. Broughton, B.S.A., B.A.Sc.,S.M.,Ph.D. and Allison DeForest Pickett, B.Sc.(Agr.),M.Sc.,D.Sc.,D.C.L. were the recipients.

BACHELOR OF SCIENCE IN AGRICULTURE DEGREES

AGRICULTURAL ECONOMICS

Scott David Bronson.....Milford Station, N.S.
Karen Louise Crawford.....Middleton, N.S.
Janice May Gill.....Bishop's Falls, Nfld.
Robert Scott Grant.....Truro, N.S.
Jill Suzanne Hume - High Honours.....Chester, N.S.
Donald Leonard Langille.....Hopewell, N.S.
Patricia Ann MacNeil - Honours.....Truro, N.S.
Richard Douglas Melvin - Honours.....New Ross, N.S.
Neal Edward Mundle.....Moncton, N.B.
John Edward Murray.....Truro, N.S.
Sally Bridget Steeves.....Woodstock, N.B.

AGRICULTURAL MECHANIZATION

Paul Clare Brenton.....Truro, N.S.
Brian Charles Burgess.....Amherst, N.S.
Paul Sigurd Kittilsen.....Newport, N.S.

AGRICULTURAL SOILS

Sharon Verna Smith.....Port Hawkesbury, N.S.
Walter Conrad Termeer.....Kensington, P.E.I.
Eltjo Herman van Cingel.....Upper Kent, N.B.

ANIMAL SCIENCE

James Stewart Anderson.....Sussex, N.B.
Nancy Jean Barnes.....Manuels, Nfld.
Patricia Elizabeth Cabot.....Labrador South, Nfld.
Jennifer Gail Crossley.....New Glasgow, N.S.
Bernard Hubert Gallant.....Grand-Digue, N.B.
Robert Brenton Giffen.....Milford Station, N.S.
Stephanie Joy Gow.....Halifax, N.S.
Angela Margaret Kent - Honours.....Lunenburg, N.S.
Lisa Jane Kent.....Stewiacke, N.S.
Curry Gerald Keoughan.....Newcastle, N.B.
Beth Leanne Kyle.....Amherst, N.S.
Peter Donald Lawson - Honours.....Cornwall, P.E.I.
John Peter MacIntyre.....Bras d'Or, N.S.

Krista Leigh McAllister.....Millerton, N.B.
Allan Francis Menzies.....Newcastle, N.B.
Karen Anne Mills.....Halifax, N.S.
Shannan Lee O'Neill.....Newcastle, N.B.
Donald Alan Porter.....Belmont, N.S.
Terrance Alan Prescott - Honours.....Moncton, N.B.
Lynda Ellen Ramsay.....Miscouche, P.E.I.
Karen Lynn Rodgers.....Hampton, N.B.
Theresa Ann Rogers.....Sydney, N.S.
Jo Ann Sylvia Van Kessel-High Honours.New Glasgow, N.S.
Janice Margaret Verhulp - High Honours..Bonshaw, P.E.I.
Anne Michelle Willis - High Honours...New Glasgow, N.S.

PLANT PROTECTION

Yolande Babineau.....Rogersville, N.B.
Gregory Allan Donald - Honours.....Kensington, P.E.I.
Leonard Andrew Ells.....Middleton, N.S.
Jennifer Rae Gilmore.....Dartmouth, N.S.
James Ira Goodfellow.....Newcastle, N.B.
Jonathan Martin Hill.....Lower Sackville, N.S.
Stephen Michael Howatt - Honours.....Kinkora, P.E.I.
Neil Grant MacKenzie.....Bonshaw, P.E.I.
Philip William Maxwell.....Debert, N.S.
Bryce Gerard McInnis - High Honours.....Truro, N.S.
James Nealon McLelland.....North Grand Pre, N.S.
Loretta Lynn Thibault.....Saulnierville, N.S.

PLANT SCIENCE

Eric William Heuver.....Strathmore, Alta.
Dean Edward Manning.....Falmouth, N.S.
Michael Albert Price.....Mouth of Keswick,N.B.
Eric Floyd Ritchie.....Bath, N.B.
Heather Susan Stevens.....Hopewell Cape, N.B.
Peter William Swetnam.....Centreville, N.S.
Jeffrey Harold Wentzell.....Bridgewater, N.S.
Charlotte Lois Wilson.....Stanley, N.B.
Christopher Karl Winter.....Cornwall, P.E.I.

ENGINEERING DEGREE - DIPLOMA

Blaine David Carpenter.....Woodstock, N.B.

TECHNICIAN DIPLOMAS

AGRICULTURAL BUSINESS

Sylvia Arlene Adams.....Kensington, P.E.I.
Michael Edward MacDonald.....Souris, P.E.I.
Tracey Dawn McArthur.....Fredericton, N.B.
Maxine Denise Maxwell.....Westfield, N.B.
Randall George Sealy.....Bathurst, N.B.
Bruce Herbert Sherwood.....Norton, N.B.
Patrick Joseph Ueffing - Honours.....Canning, N.S.
Gerald Stanley Wicks - Honours.....St. John's, Nfld.

AGRICULTURAL MECHANIZATION

Richard Boonstoppel.....Prince William, N.B.
William Gerard Cox - Honours.....Mabou, N.S.
Marc Edwin Sproule.....Bridgetown, N.S.
Stephen Arthur Stiles.....Elgin, N.B.

ANIMAL SCIENCE

Murray Raymond DeMan.....Elmsdale, N.S.
David Harold Freeze.....Sussex, N.B.
Pamela Joy Gillis - High Honours.....Bridgetown, N.S.
Helen Joan MacLaurin.....Miscouche, P.E.I.
Dale Eugene MacPhee.....Elmsdale, N.S.
Carolyn Jean MacQuarrie.....Cornwall, P.E.I.
Kimberley Ann Metcalfe.....Manuals, Nfld.
Shannon Elaine Roode.....Truro, N.S.
Carolyn Jane Thorne.....Hampton, N.B.
Michael Wayne Shrieve Trowsdale.....Ellerslie, P.E.I.
Reuel Douglas Wood.....St. Peters, P.E.I.
Steven Ralph Wright.....Charlottetown, P.E.I.

FARM EQUIPMENT

Glen Fletcher Jennings.....Debert, N.S.
Carmen Raymond Kelly.....Kinkora, P.E.I.
Richard Charles Kent Smith.....Sydney, N.S.

PLANT SCIENCE

Dreama Lynn Blackmore - High Honours..Fredericton, N.B.
James Lawrence Bridges.....Fredericton, N.B.

Kendall David Brown - High Honours.....Glassville, N.B.
Wade Lloyd Bruce.....Charlottetown, P.E.I.
Alicia Diane Butler.....St. John's, Nfld.
Philip Alan Caissie.....Pictou, N.S.
Sharon Marlene Campbell - Honours..Scotch Village, N.S.
Holly Anne Chisholm - Honours.....Truro, N.S.
Daniel James Coleman.....Bloomfield, N.B.
Laura Elizabeth Crowe.....Sussex, N.B.
Edgar Kenneth Friars.....Fairvale, N.B.
Todd Edward Gregory.....Windsor, N.S.
Andrea Dawn Haughan.....Pictou, N.S.
Marlene Yvonne Hiltz.....New Ross, N.S.
Judy Mae Hudgins MacMillan-High Honours.Brookfield,N.S.
Karen Joy Soucoup.....Moncton, N.B.

DIPLOMAS OF TECHNOLOGY

AGRICULTURAL TECHNOLOGY

Albert David Ball.....North Sydney, N.S.
Amadou Jallow.....Brikama, Gambia
Helen Joan MacLaurin.....Miscouche, P.E.I.
Ross Harold Shaw.....Hartland, N.B.
Crosbie Gerard Williams.....Goulds, Nfld.

BIOLOGY LABORATORY TECHNOLOGY

Lecia Dawne Day.....Stewiacke, N.S.
Patricia Lynn Graham.....Upper Stewiacke, N.S.
Robert Jules Heudes - Honours.....Petit De Grat, N.S.
Cynthia Diane MacDonald.....Saltsprings, N.S.

CHEMISTRY LABORATORY TECHNOLOGY

Alan Grant Stewart - Honours.....New Glasgow, N.S.

FARMING TECHNOLOGY

Donald Reagh Balch.....Kentville, N.S.
Dwayne Robert Barteaux.....Annapolis Royal, N.S.
Mark Richard MacCallum.....Pictou, N.S.
Alan Joseph MacIntyre.....Bras d'Or, N.S.
Robert William Woods.....Hampton, N.B.

LANDSCAPE HORTICULTURE TECHNOLOGY

Catherine Elizabeth Andrews.....Dartmouth, N.S.
Robert Raymond Boone - Honours.....New Waterford, N.S.
Jill Angela Boss.....Nappan, N.S.
David Donald Carmichael.....Montague, P.E.I.
Paul Gerard Chisholm.....Heatherton, N.S.
Craig Lorne Crocker.....Glace Bay, N.S.
James Wesley Ellison.....Inverness, N.S.
Jeffrey Lloyd Goodwin.....Truro, N.S.
Tracey Seymoure MacKenzie - High Honours....Truro, N.S.
Edith Lillian Sanford - High Honours...Brookfield, N.S.
SusAnne Marie Tilley.....Corner Brook, Nfld.

DISTINCTION AWARDS:

SILVER - Peter Donald Lawson, Cornwall, P. E. I.

BRONZE - Jill Suzanne Hume, Chester, N. S.
Karen Anne Mills, Halifax, N. S.

NOEL ENMAN MEMORIAL AWARD:
David Donald Carmichael, Montague, P.E.I.

LIBRARY REPORT

The Library Service was provided to its regular and occasional clientele.

REFERENCE DEPARTMENT

The Reference Department offered full reference services to faculty, students, staff and associates of the N.S.A.C., N.S.D.A.M., and to the public who had needs related to agriculture. Because no summer help was available, Government Documents processing fell from a high of 2,000 in 1986 to 800 in 1988. Twenty-two faculty, staff, 3rd and 4th year students, trained to search the CD-ROM databases, accounted for 290 search sessions. Regular online searches remained the same. Joanne Campbell has begun using the Interlibrary Loan Department computer, installed May, 1989, and expects to see productivity improvements when interlibrary loan functions are fully implemented. A large collection of materials on Blueberries, donated by Dr. Leonard Eaton, has been integrated into the Agdex and documents collection, housed in the Reference Department.

ACQUISITIONS DEPARTMENT

The Department was staffed by Linda Butler-Fox and Marilyn Foote. Linda being the full-time regular and Marilyn the full-time casual. The two of them did an excellent job of putting the Department on firm footing and doing

all their duties efficiently and promptly. In June, 1989, Linda tok a transfer to Halifax. This was a great loss to the Department and the Library as a whole. Replacement procedures were launched immediately and as of this report the replacement has not been named.

CATALOGUING DEPARTMENT

This Department is staffed by one person only, and the present incumbent is Vaila Mowat. In addition to her normal duties as cataloguer, Vaila developed cataloguing and processing procedures for all video tapes owned by the Library. August, 1989 will be the first time Audio-Visual materials are included in the COM fiche catalogue. As a corollary to this work she developed data sheets for Branch personnel and has created an inventory of video materials available in N.S.A.C. Department collections and in N.S.D.A.M. Branch collections. A database is to be created and a directory published by the end of the Summer, 1990.

OTHER ITEMS

The Library has maintained long hours of service.

Summer hours:	Monday - Friday, 8:30 a.m. - 4:30 p.m. Closed on weekends and holidays.	
Regular hours:	Monday - Thursday	8:30 a.m. - 10:30 p.m.
	Friday	8:30 a.m. - 5:00 p.m.
	Saturday	10:00 a.m. - 5:00 p.m.
	Sunday	1:00 p.m. - 10:30 p.m.

The Library Committee played a very useful role in the operation of the Library. The Committee met five times. The major task taken by the Committee was the Periodical Survey.

The Sub-Committee on the Budget did not meet this year. Members of the Sub-Committee are Dr. Bruce Gray (Chairman), Prof. Carl Madigan, Prof., Bonnie Waddell and Prof. B. Sodhi.

The Library Funding Committee, under the Chairmanship of Bonnie Waddell, was extremely active throughout the year. It met many times and worked closely with representatives of the N.S.A.C. Alumni Association in establishing and preparing guidelines for the administration of the Association's Library Trust Fund. The Committee also prepared newsletter and A.C. Post articles about the Library and about the Library Trust Fund.

LIBRARY STATISTICS
April 1, 1989 - March 31, 1989

Categories		
1.	Books Acquired	
	Books Purchased	871
	Books Free	133
	TOTAL	1,004
2.	Current Periodicals	899
3.	Cataloguing	1,435
4.	Binding	
	Periodicals	765
	Books	90
	TOTAL	855
5.	Circulation of Main Collection	10,247
	Circulation of Textbook Reserve	1,525
	Circulation of Faculty Reserve	1,591
6.	Visitors to the Library	43,308
7.	Interlibrary Loans	
	(a) Books Borrowed	398
	(b) Books Loaned	86
	(c) Photocopies Obtained	1,412
	(d) Photocopies Sent	197
8.	Reference Department Activities	
	(a) Publications	6
	(b) Workshops	9 (97 people)
	(c) Tours	25 (254 people)
	(d) Reference Questions	153
	(e) Instruction Sessions	75
	(f) Referrals	8
	(g) Online Information Search Requests	47
	(h) Online Searches Prepared	76
	(i) Documents Catalogued	439
	(j) Documents Added (vols.)	606

RESEARCH PROJECTS

Research Projects were funded from a number of sources. Some of these were at the discretion of the Research and Innovative Demonstration Committee while others were the result of individual initiative. A number of investigative projects are not included. The fund sources are as follows and may or may not be included in these statistics.

Source	Funds
N. S. Dept. of Agiculture & Marketing	215,291.
Natural Sciences and Engineering Research Council (NSERC)	192,443.
Atlantic Livestock Feed Initiative (ALFI)	453,086.
Canada-Nova Scotia Agri-Food Development Agreement (AFDA)	17,620.
Government and Industry Grants	140,974.
Government and Industry Contracts	278,018.
Agricultural Research Institute (ARI) Contracts	92,981.
Total all sources	$1,390,413.

1988 RESEARCH PROJECT REPORTS

Project Number	Project Leader	Project Title
Agricultural Engineering		
88-124	D. A. Allen	Poultry Ventilation
88-132	F. L. Desir	Safe Use of One-Tonne Fertilizer Bags
Animal Science		
88-16	M. L. Connor	Semen Processing and A.I. in Silver Fox
88-83	D. L. Patterson	Prediction of Carcass Fat in Broiler Chickens
88-84	D. M. Anderson	Wet Versus Dry Feeds For Foxes

88-92	D. M. Anderson	High Protein Feedstuffs for Monogastric Animals
88-103	A. Lirette	N.M.I. In The Study of Forage Structure
88-108	M. L. Connor	Assay For Melatonin
88-110	D. M. Anderson	Water Quality for Pigs
88-114	A. H. Fredeen	Mineral Metabolism in Ruminants
88-115	D. M. Anderson & C. Caldwell	Nutritional Evaluation of Nova Scotia Grown Triticale
88-122	T. Tennessen	Space Use By Stall Housed Calves
88-125	D. C. Crober	Evaluation of Broiler Strains
88-126	W. G. Mathewson	Lambs on Grass and Grain
88-130	M. L. Connor & D. M. Anderson	Herring for Growing Mink
88-131	D. M. Anderson	Crab Meal in Layer Hen Diets
88-135	D. L. Patterson	Swine Conformation and Relation to Carcass Composition
*	A. Lirette	Buoyancy Separation of Forage Particles and Their Use as a Concentrate Feedstuff

Biology

88-52	M. G. Sampson	Herbicide-Pathogen Interactions in Quackgrass
88-95	M. G. Sampson	Weed Control in Blueberries
88-119	A. B. Gray	Mycotoxins in Silage
88-128	M. G. Sampson	Mycoherbicides
88-134	J. P. R. LeBlanc	A Management System for N.S.A.C. Entomological Collections

Chemistry-Soils

88-94	J. Hoyle	Translocation of Fungicides
88-97	K. S. MacLean & A. R. Robinson	Selenium Content of Sheep Blood
88-116	P. Warman	The Use of Immobilized Enzymes in Soil Organic Matter Research
88-118	G. R. Brewster	Sediment Clogging in Nova Scotia Drainage Tiles
88-121	A. R. Robinson	Analysis of Meat and Meat Products by HPLC
88-129	A. R. Robinson	The Effect of Dietary Omega-3 Fatty Acids In Laying Hens

Economics and Business

88-93	K. G. Grant	Price Determination in Maritime Cattle Market

Livestock Services

88-105	H. Jansen	Effect of Breeding System on Reproductive Performance of Broiler Breeders

Plant Science

88-06	J. S. Bubar	Cereal and Protein Crops
88-07	J. S. Bubar	Forage Crops
88-24	T. H. Haliburton	Vegetable Variety/Management Trials
88-30	H.-Y. Ju	American Ginseng Production in N. S.
88-46	R. W. Daniels	Turfgrass Evaluation and Management
88-96	J. Nowak	Somatic Embryogenesis in Red Clover
88-98	D. Midmore	Propagation and Screening of Non-Traditional Sources of Stress Tolerance in Solanum species
88-113	C. D. Caldwell	Artificial Dwarfing of "Trillium" Triticale
88-120	L. Mapplebeck	Greenhouse Crops - New Crops, New Cultivars, and New Practices
88-123	J. Nowak	Hydroxyproline Resistance, a Selection Method for Developing Winter Hardy Alfalfa
88-127	H.-Y. Ju	Effect of Plant Growth Regulators on Fruit Set and Yield on Lowbush Blueberry

Soils & Crops Branch

88-09	D. Mellish	Cereal Rate of Seeding Trial
88-111	D. Doohan	The Biology and Control of Coltsfoot
88-117	R. Gordon	Boundary Layer Microclimate as Affected by Plastic Tunnels

* Designates the report appears at the end of the regularly numbered reports.

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COLLEGE FARM

The College Farm provides teaching, research and demonstration facilities and materials for all Departments within the College, particularly the Animal Science Department. There has been a continued increase in the number of research and student projects carried out on the Farm. Due to the greater need for expanded facilites, a Farm Planning Committee has been appointed to plan the future Livestock and Crop facilities at the College.

Crops

The 1988 cropping season was blessed with good planting and harvesting weather resulting in excellent quality forage being stored and fed.

The cropping program for 1988 was as follows:

Crop	Hectares
Research Plots	5
Annual Ryegrass	8
Legume Forage	39
Grass Forage	42
Corn Silage	10
Improved Pasture	21
Cultivated Pasture	25
Barley	20
New Seeded Legumes	24
Woods	13
Total	207

Livestock

All the various classes of livestock and poultry have been used in research and/or student projects during the past year. Changes in livestock numbers with year end inventories were:

	April 1/88 Begin	Born Alive	Purchased	Leased	Sold	Died	March 31/89 End
Beef* Cattle	146	92	1	52	113	11	167
Dairy Cattle	102	50	10	--	53	2	98
Sheep**	180	195	73	59	262	19	226
Swine	382	1042	15	--	742	257	440
Foxes	150	195	6	--	156	76	136
Mink	91	266	9	--	219	50	96
Horses	4	0	0	--	0	0	4
Poultry	7316	1672	9916	--	13003	1100	4785

* 52 are on lease from the Nappan Experimental Farm
** 59 are on lease from the Nappan Experimental Farm

Beef Cattle

In April, 1989, the Nappan Experimental Farm leased 52 bred cows to the N.S.A.C. Farm. One-half of these cows calved in June and the remainder in October,

adding significantly to our calf crop. Shorthorn and Simmental bulls are presently being used in the breeding program.

Swine

The swine unit had 107 litters born during the year with an average of 2.29 litters per sow. The herd averaged 9.7 piglets born alive and 7.7 weaned per litter.

A total of 739 pigs were marketed during the year with an index of 100.2. The College Farm continued to co-operate with the Nappan Experimental Farm with joint research projects with the majority of the market hogs being placed on research projects at Nappan.

Sheep

A research group of 59 ewes were leased from the Nappan Experimental Farm with the majority of them lambing in September and October. These Fall lambs provided excellent stock for teaching and student projects during the Fall and Winter semesters.

Poultry

Little change took place in the Poultry unit during the year. Approximately 2400 layers and three broiler flocks were raised.

Dairy Cattle

The size of the dairy herd decreased slightly as the production continued to increase. The Ayreshire herd Breed Class Average increased from 162% to 175% for milk and 164% to 173% for butterfat. The Holstein herd increased from 165% to 132% for milk and from 174% to 185% for butterfat. Much of this can be directly attributed to the improvement in the quality of forage available to the animals.

Fur

A new Fur Unit building was completed in the Spring of 1989. This building provides office and laboratory space in addition to a metabolism room, chinchilla room and a feed kitchen, along with a cooler and freezer. These facilities will be used to prepare fresh, wet diets for mink and fox research.

SUMMER CONFERENCES

This past Conference Season has, once again, been most successful. We hosted 34 different organizations in residence, with a total participation of approximately 4,480 persons. Several new groups utilized our facilities, some of which have confirmed reservations for 1989.

CONVENTION LIST

Presbyterian Men's Conference
W.I.N.S.
4-H Clubs of N.S.
N.S. Rughooking School
Adult Vocational Staff Training
Presbyterian Youth Camp
A.S.T.E.
Pentecostal Women's Retreat
D.N.D. Glider Training School
N.S. Association of Garden Clubs
Spartans Gymnastic Camp I, II, III
Alumni Weekend and Open House
Yearbook Workshop
Basketball N. S.
N. S. Commercial Safety College
Truro Presbytery Youth Festival
Womens Health Education Network
S.P.E.B.S.Q.S.A.

SPECIAL EVENTS AT N. S. A. C.

College Royal '88

"Shows Aggie-Culture" was the theme for College Royal '88 - November 3 - 6, 1988. The Chairpersons were Leanne Giffin and Paul Kittilsen.

Winter Carnival

"Winterlude '89" was the theme this year for Winter Carnival, which was held from January 24 - January 29. The Co-Chairpersons for Winter Carnival '89 were Mark Wallace and Trevor Fox.

Founding Day Service

1989 saw A.C. celebrate its 84th birthday with a banquet in Jenkins Hall on February 14th. Highlight of the occasion was a candle lighting service.

Those participating were Ms. Margaret Swan, N.S.T.C. (School of Agriculture); Mr. Wayne McCormick, Village Commission (Purchase of land in Bible Hill); Mr. J. E. Shuh, Professor Emeritus (School of Horticulture); Dr. H. F. MacRae, Principal (Founding of N.S.A.C.); Mr. R. E. Morehouse, Deputy Minister, Department of Agriculture & Marketing (Supports of Governments); Mr. John Eaton, President (Alumni) and Mr. Rob Giffen, President, Student Union (The Present). The service was presided over by the College Chaplain Douglas MacEachern.

N.S.A.C. 4th. Annual Woodsmen Competition

The chairpersons for this event which was held on Saturday, February 11, 1989 were Rhonda Rumboldt and Jon Shaw.